TAP6 Rec'd PCT. PTO 29. FEB 2006

PATENT Confirmation No. 4880

CD 9 9 7006 &

/N: 10/531,231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Tajinder MANKU	Examiner:	Unassigned
Serial No.:	10/531,231	Group Art Unit:	Unassigned
Intl. Filing Date:	15 October 2003	Docket:	14964-49625
Title:	DC TRIMMING CIRCUIT FOR RADIO FREQUENCY (RF) DOWN-CONVERSION		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 450 on February 20, 2006.

By: Name: Tim Tingkang Xia

TRANSMITTAL

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CUSTOMER NO. 24728

Sir:

We are transmitting herewith the attached:

☐ Transmittal Sheet containing Certificate of Mailing (1 page)

☐ Information Disclosure Statement (37 C.F.R. § 1.97(b)) (2 pages)

Form PTO-1449 Listing 24 References (2 pages)

Copies of Eighteen (18) Articles

Return postcard

MORRIS, MANNING & MARTIN, LLP

1600 Atlanta Financial Center 3343 Peachtree Road NE Atlanta, Georgia 30326 404.495.3678

Customer No. 24728

ву:

Name: Tim Tingkang Xia

Reg. No.: 45,242

TX

....

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Tajinder MANKU

Docket:

14964-49625

Serial No.:

10/531,231

Group Art No.:

Unassigned

Intl. Filing Date

15 October 2003

Examiner:

Unassigned

Title:

DC TRIMMING CIRCUIT FOR RADIO FREQUENCY (RF) DOWN-

CONVERSION

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 223/3-1450 on February 20, 2006.

Name: Tim Tingkang Xia

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Customer No. 24728

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each non-U.S. patent document or other information listed on the enclosed Form 1449 is provided herewith, if applicable.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

MORRIS, MANNING & MARTIN, LLP

February 20, 2006

Tim Tingkang Xia Reg. No. 45,242

Attorney for Applicant on the Record TTX

MORRIS, MANNING & MARTIN, LLP 1600 Atlanta Financial Center 3343 Peachtree Road, N.E. Atlanta, Georgia 30326-1044

Phone: 404-233-7000 Direct: 404-495-3678

Customer No. 24728

INFORMATION DISCLOSURE STATEMENT	Docket Number: 14934-49625	Serial Number: 10/531,231	
FEB 2 2 1006 IN AN APPLICATION	Applicant: Tajinder MANKU	Confirmation No.: 4880	
FEB V se several sheets if necessary)	Filing Date: 15 October 2003	Group Art Unit: Unassigned	

			U.S. 1	PATENT DOCUME	NTS			
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	
	1.	6,606,359	08/12/03	Nag et al.				
	2.	4,250,458	02/10/81	Richmond et al.				
	3.	5,375,146	12/20/84	Chalmers				
-	4.	5,793,817	08/11/98	Wilson				-
	5.	5,548,840	08/20/96	Heck				
	6.	2002/050861 A1	05/02/02	Arnoldus et al.				
			FOREIC	N PATENT DOCU	MENTS	· · · · · · · · · · · · · · · · · · ·		
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION
							YES	NO
		OTHER DOC	CUMENTS (In	cluding Author, Title	, Date, Perti	nent Pages, Etc.)		
	7.	"Mini-Circuits Modern Mixer Terms Defined," 4 pages (1999).						
	8.	Bradshaw, P. "The ICL7650S: A New Era in Glitch-Free Chopper Stabilized Amplifiers," <i>Application</i> Note, Vol. AN053.2, pp. 1-14, July (2001).						
	9.	Au, T. et al., "Improved Flicker Noise Model for Submicron MOSFET Devices," Department of Electrical Engineering and Computer Sciences, University of California at Berkley, pp 1-6.						
	10.	Leenaerts, D. "Integrated Transceiver Design, Non-Linear Dynamic Issues," Phillips Research. 34 pages.						
	11.	Kim, B. et al., "Single-Ended Differential RF Circuit Topologies Utilizing Complementary MOS Devices," Journal of Semi-Comductor Technology and Science, Vol. 2, No. 1, pp. 7-18, March (2002).						
	12.	Consandinou, T., et al. "An Auto-Input-Offset Removing Floating Gate Psuedo-Differential Transconductor," EEE Dept., Imperial College of Science, Technology and Medicine, London, 4 pages.						
	13.	Valero, A. et al, "I Meeting, 18 pages,		ion Receiver Implem	entation Issu	es," Texas A&M U	University, Blue	etooth
	14.	Luh, L. et al., "A Continuous-Time Common Mode Feedback Circuit (CMFB) for High-Impedance Current Mode Application," Department of Electrical Engineering, University of Southern California, 4 pages.						

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

Date Mailed: February 20, 2006

FORM 1449* INFORMATION DISCLOSURE STATEMENT		Docket Number: 14934-49625	Serial Number: 10/531,231	
IN AN APPLICATION		Applicant: Tajinder MANKU	Confirmation No.: 4880	
(Use several sheets if necessary)		Filing Date: 15 October 2003	Group Art Unit: Unassigned	

15.	Tanaka, S. et al., "GSM/DCS1800 Dual Band Direct-Conversion Transceiver IC With a DC Offset Calibration System" Bob Henshaw TTP Communications, 16 pages.
16.	Strange, J. et al., "Direct Conversion: No Pain, No Gain," Communication Systems Design, 6 pages, April (2002).
17.	Tempel, M. et al., "A 3.6-V AlGaAs HBT Mixer for Wireless Applications," Berlin University of Technology, Microwave Engineering, 4 pages.
18.	Shahani, A. et al., "SP 22.3: A 12mW Wide Dynamic Range CMOS Front-End for a Portable GPS Receiver," Department of Electrical Engineering and Computer Sciences, University of California at Berkley, 8 pages.
19.	Nygaard, K., "DC Coupled Amplifiers for Audio," 23 pages (2003).
20.	Rudell, J. et al., "A 1.9GHz Wide-Band IF Double Conversion CMOS Integrated Receiver for Cordless Telephone Applications," Department of Electrical Engineering and Computer Sciences, University of California at Berkley, 7 pages (2003).
21.	Waltari, M. et al., "Fully Differential Switched Opamp With Enhanced Common Mode Feedback," <i>Electronics Letters</i> , Vol. 34, No. 23, 2 pages (1998).
22.	"Power Opamp - Class AB," Analog -Digital ASIC Design, pp. 31-41 (2002).
23.	Milner, L, "Baseband to RF Design of Ka-band Direct Conversion Transceivers for Digital Communications Systems," University of South Australia Cooperative Research Centre for Satellite Systems, 5 pages.
24.	Limketkai, B. et al., "Monolithic CMOS Direct-Conversion Mixer, Department of EECS, University of California at Berkeley, 9 pages.
	·

Customer No. 24728

l	
I EXAMINER	DATE CONSIDERED
	I DATE CONSIDERED
1 "	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.